

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-412. **(Cancelled).**

413. **(Currently amended)** A method, comprising:
administering, through a skin of a patient in need thereof, ~~an uncured~~ partially
polymerized, flowable polyurethane bone scaffold composition in or near a bone defect;
manipulating said bone scaffold composition *in situ* using external pressure applied to the
skin of the patient; and thereafter,
allowing said bone scaffold composition to become fully cured *in situ*.

414. (Previously Presented) A method according to claim 413, wherein the bone
scaffold composition is a castor-oil based polyurethane composition.

415. (Previously Presented) A method according to claim 414, wherein the castor-oil
based polyurethane composition comprises at least one filler material.

416. **(Currently amended)** A method according to claim 415, wherein the at least one
filler material is chosen from calcium carbonate, bone, calcium phosphate, calcium
pyrophosphate, hydroxyapatite, ~~poly methyl methacrylate, glass ionomer, poly ether ether~~
~~ketone, calcium sulfate, barium sulfate,~~ barium sulfate, and tricalcium phosphate.

417. – 419. **(Cancelled).**

420. (New) The method according to claim 413, wherein the bone scaffold composition is a liquid.

421. (New) The method according to claim 413, wherein the bone scaffold composition is osteoconductive.

422. (New) The method according to claim 413, wherein the bone scaffold composition is osteoinductive.